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ecology and environment, inc.

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International Specialists in the Environmental Sciences

DATE: February 11, 1983

TO: File/USEPA Region V

FROM: Paul D. Shea

SUBJECT: Preliminary Assessment

Illinois/TDD#RO5-8212-01A-144

Antioch/H.O.D. Landfill - Also known as CCD Disposal
ILD980605836

new

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. Illinois Environmental Protection Agency (IEPA) - Maywood, 312/345-9780
- 2.
- 3.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. Refer to IEPA files
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantity
2. Groundwater/surface water contamination
3. Damage to offsite property, population

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Waste quantity
2. Groundwater
3. Surface water
4. Direct contact
5. Fire/explosive

Suggested methods/sources for obtaining additional information are:

1. Sampling/monitoring
2. On site inspection
3. Off site inspection

Notice of an apparent need for emergency action was transmitted to N/A on N/A by N/A.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D980605836

II. SITE NAME AND LOCATION

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------|-------------------|-----------------------|--------------------|
| 01 SITE NAME (Legal, common, or descriptive name of site) H.O.D. LANDALL / C.C.D. DISPOSAL | | 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 22275 WEST ROUTE 173 | | | |
| 03 CITY ANTIOCH | 04 STATE IL | 05 ZIP CODE 60002 | 06 COUNTY LAKE | 07 COUNTY CODE 097 | 08 CONG DIST 13 |
| 09 COORDINATES LATITUDE 42°28'40.0" LONGITUDE 088°05'00.0" | | TOPO MAP: ANTIOCH QUAD. | | | |
| 10 DIRECTIONS TO SITE (Starting from nearest public road) SE 1/4, SE 1/4 OF SECTION 8, T46N, R10E, SW 1/4 SECTION 9 (83) NORTH INTO ANTIOCH, TURN RIGHT AT (173) AND GO TO TURN LEFT AT L. SILVER LAKE. | | | | | |

III. RESPONSIBLE PARTIES

| | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------|---------------------------------------|--|--|
| 01 OWNER (If known) WASTE MGMT OF ILLINOIS INC. | | 02 STREET (Business, making, residential) 3003 BUTTERFIELD ROAD | | | |
| 03 CITY OAK BROOK | 04 STATE IL | 05 ZIP CODE 60521 | 06 TELEPHONE NUMBER (312) 654-8800 | | |
| 07 OPERATOR (If known and different from owner) C.C.D. DISPOSAL INC. MR. CARL HANSEN JR. | | 08 STREET (Business, making, residential) P.O. BOX N | | | |
| 09 CITY ANTIOCH | 10 STATE IL | 11 ZIP CODE 60002 | 12 TELEPHONE NUMBER () - | | |
| 13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN | | | | | |

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

| | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 8/28/73 MONTH DAY YEAR <input type="checkbox"/> NO 5/21/82 | | BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____ | | | |
| 02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN | | 03 YEARS OF OPERATION BEGINNING YEAR 1963 ENDING YEAR PRESENT <input type="checkbox"/> UNKNOWN | | | |
| 04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED SLUDGE (TOXIC, PERSISTENT) CYANIDE (TOXIC, VOLATILE, PER FLAMMABLE) OILY WASTE (TOXIC, PERSISTENT, FLAMMABLE) H. METALS (TOXIC PERSISTENT) SOLVENTS (TOXIC, PERSISTENT, CORROSIVE, FLAMMABLE) | | | | | |
| 05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION LEACH INTO GROUNDWATER (POPULATION + ENVIRONMENT) RUNOFF TO SURFACE WATER (POPULATION + ENVIRONMENT) FIRE/EXPLOSION /EVAC. (POP. + ENVIRONMENT) | | | | | |

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

| | | | | | |
|--------------------------------------|--|-----------------------------------------------|-----------------|-------------------------------------|------------------------------------------|
| 01 CONTACT MR. KEN BECHELY | | 02 OF (Agency/Organization) IEPA (MAYWOOD) | | 03 TELEPHONE NUMBER 312 345-9780 | |
| 04 PERSON RESPONSIBLE FOR ASSESSMENT | | 05 AGENCY | 06 ORGANIZATION | 07 TELEPHONE NUMBER () - | 08 DATE ____/____/____ MONTH DAY YEAR |





POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE IL 02 SITE NUMBER D980605836

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 14000

02 ☒ OBSERVED (DATE: 9/5/74)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

GROUNDWATER ANALYSIS RESULTS FOUND CONTAMINATION.
ONE DEEP + ONE SHALLOW AQUIFER - CONTAMINATION WILL OCCUR
IF SITE IS EXPANDED

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 14000

02 ☐ OBSERVED (DATE: 5/22/74)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☒ ALLEGED

COMPLAINANT CALL INDICATED THAT H.O.D. LOFL. WAS PUMPING
POLLUTED WATER INTO SEQUOIT CREEK BECAUSE OF HEAVY RAINS.
RESOURCE INFO. INDICATES THAT SITE IS UNSUITABLE FOR PROPOSED USE - ~~POLLUTION~~ WATER

01 ☒ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: < 500

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☒ ALLEGED

OBNOXIOUS ODORS - COMPLAINTS FROM RESIDENTS

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: < 500

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

WASTE NOT COVERED CORRECTLY > POTENTIAL FOR FIRE
SITE NOT SECURED > FLAMMABLES ON SITE.

01 ☒ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☒ OBSERVED (DATE: 1-8-75)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☒ ALLEGED

FENCE NOT SURROUNDING WHOLE SITE - PARTS ONLY 4 ft HIGH
INADEQUATE SITE RESTRICTION. SUPPOSED TO BE 7 ft HIGH

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 80
(Acres)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☒ ALLEGED

LANDFILLED CONTAMINANTS.
H.O.D. BRINGING IN WASTE OIL, KEROSENE, CAUSTICS, CYANIDE.
SOILS NOT BELIEVED SUITABLE FOR SUCH DEVELOPMENT. (TRUCK # 552 JOHNSON OUTBOARD MARINE)

01 ☒ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 14000

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

DRINKING - GROUNDWATER ANALYSIS SHOWED CONTAMINATION
AQUIFERS POTENTIALLY AFFECTED.

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: ± 20

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

WORK CREW POTENTIALLY EXPOSED.

01 ☒ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: 14000

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☒ ALLEGED

GROUNDWATER + SURFACE WATER BOTH CONTAMINATION
PROBLEMS. POPULATION EXPOSURE PROBABLE.
NEIGHBORS COMPLAINTS MANY



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL 0980605836

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

EDGES OF EXISTING LANDFILL ARE SEVERELY ERODING
FLORA POTENTIALLY AFFECTED. NATIVE MARSH SPECIES

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

POTENTIAL RUNOFF + EXPOSURE TO FAUNA HIGH DUE TO
FLOOD POTENTIAL. DIRECT CONTACT POSSIBLE - NOT FENCED
RIGHT

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

SITE DOMINATED BY WETLANDS - AFFECTED BY
CONTAMINANTS DEPOSITED THERE. PCB - BIOACCUMULATE

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☒ OBSERVED (DATE: 5/25/78) ☐ POTENTIAL ☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 14000

04 NARRATIVE DESCRIPTION

TRENCHES NOT BEING CONSTRUCTED AS PERMITTED
EXCAVATED
LEACHATE COLLECTION - PIPES NOT JOINED.

NOT ADEQUATE COVER
- PROBLEM ALWAYS -
EXPOSED REFUSE

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☒ ALLEGED

WATER FROM LANDFILL FLOWING OVER PRIVATE PROPERTY
OF LANDOWNERS

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: 1/29/82) ☐ POTENTIAL ☒ ALLEGED

ANONYMOUS COMPLAINT OF JOHNSON OUTBOARD MARINE
BRINGING IN WASTE OIL, KEROSENE, CAUSTICS, CYANIDE TRUCK # 552
Sp. HMAER 0115/001

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

WILD DOG PACKS > ALLEGED/NOISE
RAT INFESTATION

III. TOTAL POPULATION POTENTIALLY AFFECTED: 14000

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

IEPA FILES (maywood), (312) 345-9780